

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) A method for detecting a connection fault and accordingly performing a switch-over in data communication in accordance with a set of rules based on Operation and Maintenance data communication principles, characterized in that

an interval for sending connectivity verification data information in the data communication is such that a real time based data communication is achievable.

2. (original) A method according to claim 1, wherein the interval comprises approximately one connectivity verification packet per 10 milliseconds.

3. (currently amended A method according to claim [[2]] 1, wherein the interval comprises approximately one connectivity verification packet per 15 milliseconds.

4. (original) A method according to claim 1, wherein the interval makes a fault detection from the connection fault in the data communication to occur in less than 50 milliseconds.

5. (original) A method according to claim 4, wherein the interval further triggers the switch-over to occur in less than 50 milliseconds from an occurrence of the connection fault.

6. (original) A method according to claim 1, wherein the real time based data communication presumes the switch-over to take place in less than 50 milliseconds from an occurrence of the connection fault.

7. (original) A method according to claim 1, wherein the connection fault comprises a predetermined amount of consecutively missing or wrong connectivity verification packets in the data communication.

8. (original) A method according to claim 1, wherein the data communication comprises at least one of Internet Protocol, Ethernet, and MPLS for real time telecommunication services.

9. (original) A method according to claim 1, wherein the data communication comprises LSP based connection.

10. (original) A method according to claim 1, wherein the data communication is based on a protection switching data communication principles.

11. (original) A method according to claim 1, wherein Multiprotocol Label Switching is contained as a bearer for the data communication.

12. (original) A method according to claim 11, wherein Multiprotocol Label Switching operates as a backbone for IP based data communication.

13. (currently amended) A method according to claim 1, wherein the real time based data communication is achieved such that a human substantially immediately senses any application based on the real time based data communication ~~substantially immediate~~.

14. (original) A method according to claim 1, wherein the data communication takes place between a source computing entity and a sink computing entity.

15. (original) A method according to any preceding claims, wherein the connectivity verification data information comprises CV packets.

16. (original) A system for detecting a connection fault and accordingly performing a switch-over in data communication between a source computing device and a sink

computing device in accordance with a set of rules based on Operation and Maintenance data communication principles, characterized in that an interval for sending connectivity verification data information in the data communication is such that a real time based data communication is achievable.

17. (original) A network entity for detecting a connection fault and accordingly performing a switch-over in data communication in accordance with a set of rules based on Operation and Maintenance data communication principles, characterized in that, the network entity comprises means for sending connectivity verification data information with a frequency in the data communication such that a real time based data communication is achievable.

18. (original) A network entity for detecting a connection fault and accordingly performing a switch-over in data communication in accordance with a set of rules based on Operation and Maintenance data communication principles, characterized in that, the network entity comprises means for receiving connectivity verification data information with a frequency in the data communication such that a real time based data communication is achievable.

19. (currently amended A computer program ~~product~~  
stored on a computer recordable medium executing on a computer,  
the computer program comprising ~~a program of~~ instructions  
executable by ~~a computing system~~ the computer for processing a  
detection of a connection fault and accordingly performing a  
switch-over in data communication in accordance with a set of  
rules based on Operation and Maintenance data communication  
principles, the computer program ~~product~~ comprising:

computer program code for causing the ~~system~~ computer  
to send connectivity verification data information with a  
frequency in the data communication such that a real time based  
data communication is achievable.

20. (new) The method of claim 1, wherein,

the interval in which the connection fault occurs, the  
connection fault is detected, and the switch-over in the data  
communication is triggered to occur is less than 50 ms, with the  
connectivity verification data information being in the form of  
connectivity verification packets being sent one connectivity  
verification packet per 15 ms.